PTAC Air Conditioner and Heat Pump Wall Sleeve

Installation Manual

This wall sleeve is compatible with the following SEA BREEZE PTAC Air Conditioners and PTAC Heat Pumps as well as many other industry standard (42” x 16”) PTAC units.

Model	Description
PTAC09CH3ZX	9,000 BTU, cooling with 3,000 Watt PTC heater, 240 VAC
PTAC09HP3ZX	9,000 BTU, heat pump with 3,000 Watt PTC heater, 240 VAC
PTAC12CH3ZX	12,000 BTU, cooling with 3,000 Watt PTC heater, 240 VAC
PTAC12CH5ZX	12,000 BTU, cooling with 5,000 Watt PTC heater, 240 VAC
PTAC12HP3ZX	12,000 BTU, heat pump with 3,000 Watt PTC heater, 240 VAC
PTAC15CH3ZX	15,000 BTU, cooling with 3,000 Watt PTC heater, 240 VAC
PTAC15CH5ZX	15,000 BTU, cooling with 5,000 Watt PTC heater, 240 VAC
PTAC15HP3ZX	15,000 BTU, heat pump with 3,000 Watt PTC heater, 240 VAC

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AIR CONDITIONER SAFETY

Your safety and the safety of others are very important

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety instructions.

This is the safety alert symbol.
This symbol alerts you to potential hazards that can kill or hurt you and others.
All safety messages will follow the safety alert symbol and word "DANGER" Or "WARNING"

These words mean:

⚠DANGER You can be seriously injured if instructions are not followed.

⚠WARNING Bodily injury or damage to personal property may occur if instructions are not followed.

All safety messages will tell you what the potential hazard is, tell you how to reduce the Chance of in jury, and tell you what can hap pen if the instructions are not followed.

Installation Safety Instructions

Be sure that the correct breaker is installed. If a breaker is not installed, it may result in electric shock or other hazards!

Do not install the unit where there might be leakage of inflammable gasses. In the case that the gasses are leaked out and accumulated around the unit, it may result in fire hazards or other accidents.

Be sure that the power source of the unit is properly grounded. The grounding wire of the packaged terminal air conditioner must be firmly connected to the grounding wire of the power source. Improper grounding will lead to possible electric shock or other hazards.

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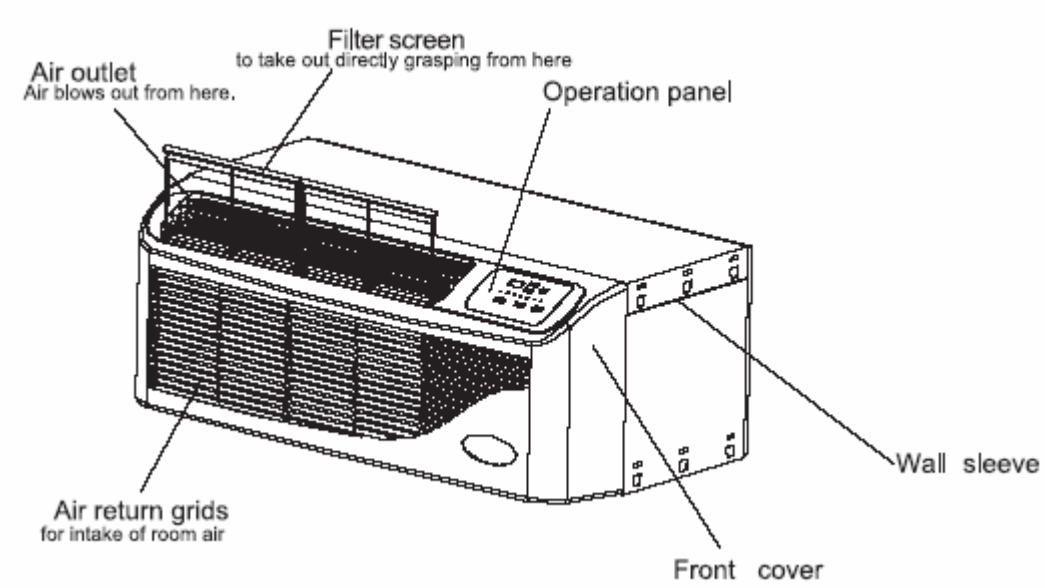
WARNING

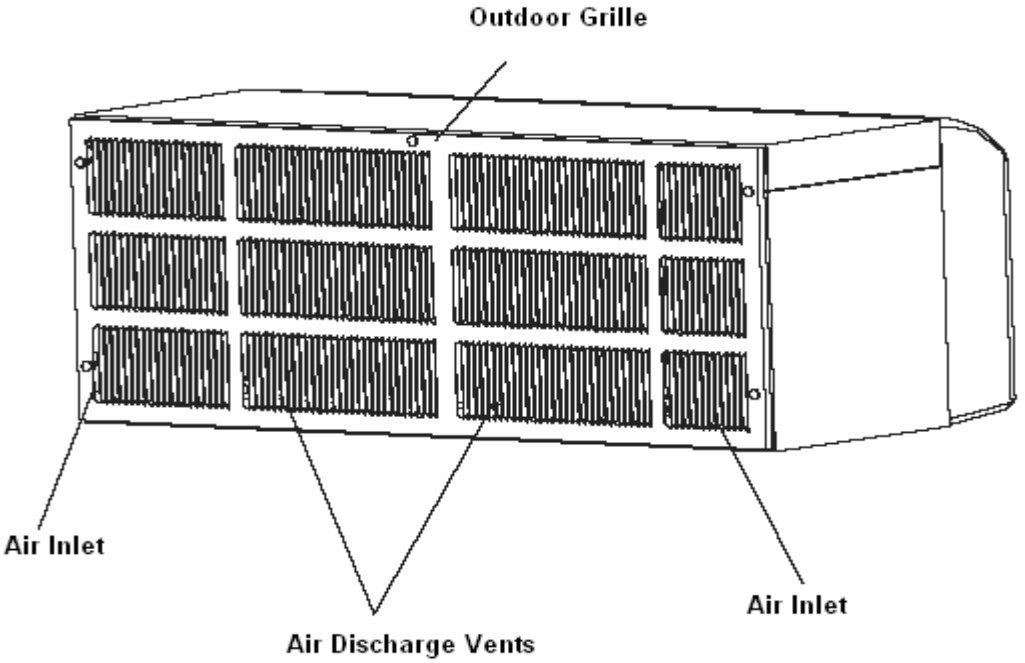
Check to see if the supporting parts of the units are properly installed and secure. If the supporting parts are damaged, repair them at once so as to prevent the unit from falling down which could cause bodily injuries.

Names and Descriptions of Parts

FRONT VIEW:



REAR VIEW:



WALL SLEEVE INSTALLATION

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To ensure the best performance of the packaged terminal air conditioner, please observe the following wall sleeve installation procedures and do the installation in accordance with related requirements.

1. Wall sleeve assembly

- **Unpack all parts and accessories, referring to Fig. 1, assemble the wall sleeve by first "clip-locking" the side pieces to the bottom piece, then the top piece to the assembled side and top pieces.**
- **Handle the wall sleeve carefully.**
- **If the wall sleeve is deformed, chassis installation may be hindered. If the wall sleeve has become deformed, straighten it before installing it in the wall.**

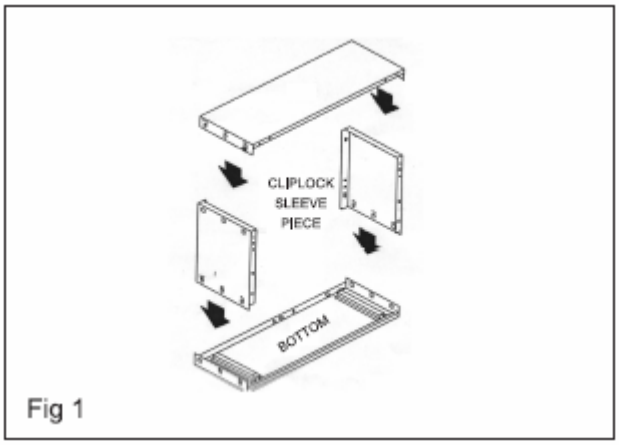

Fig 1

2. Wall sleeve location

When making the wall opening, please observe the following requirements:

- **The air inlet and outlet should be unblocked so the air can be delivered to every corner of the room.**
- **Install the unit in a location that is away from heat sources or sources of inflammable gases.**
- **Install the unit in a location that is not directly exposed to sunlight.**
- **Do not install the unit in places that are subject to strong wind or dust.**
- **There should be sufficient space margins around the unit to facilitate maintenance and repairs (refer to Figs. 2 and 3)**

Critical Dimensions

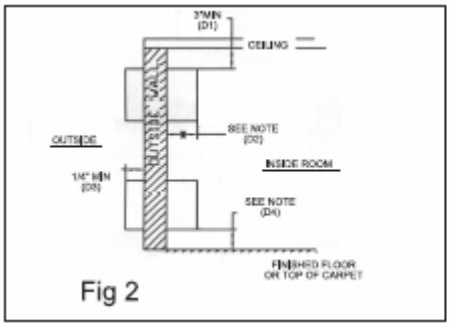

Fig 2

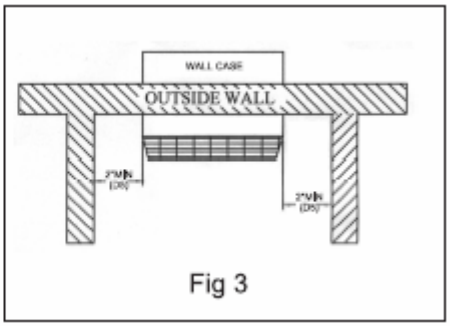

Fig 3

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Note: Care should be taken in locating the electrical supply entry in relation to the sleeve for later access.

Chart 1

Dimensions	Recommended installation clearance
D1	Top of case to finished ceiling-3"min
D2	Projection of case into room-1/2"minimum up to 1-3/4"maximum without use of electrical sub-base. Note: 2-3/8"minmum when sub-base is used,
D3	Minimum projection of case to the outside-1/4".
D4	Height above finished floor or top of carpet-1/2"minimum, 2"recommended without sub-base-3"minimum with sub-base
D5	Left/right side of case to adjacent wall-2"min.

3. Preparation of the wall
The sleeve should be installed during construction and lintels should be used to support the block above the wall sleeve. The sleeve can not support the load of bricks/blocks.

For existing construction, the wall opening must be created, and the proper dimensions are necessary to avoid use of fillers or additional framing. The sleeve is modular in height and width (refer to Fig 4 & Chart 2).

Height:
Fits 2 courses concrete block
Fits 6 courses standard brick
Fits 5 courses Jumbo Brick
Width: fits approximately 3 stud spaces.

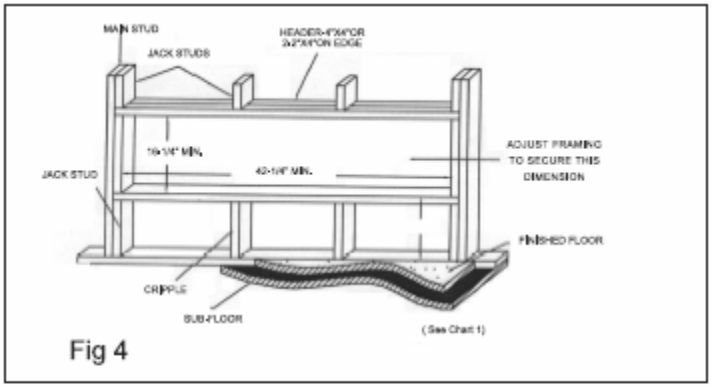

Fig 4

Chart 2

	minium finished opening dimensions		sleeve dimensions		
	height	width	height	width	depth
using field supplied sleeve angles	16-1/4"	42-1/2"	16"	42"	13-3/4" (16"/18"/24")
not using field supplied sleeve angles	16-1/4"	42-1/4"			

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If field supplied case angles must be used during installation (Fig 5), proceed as follows:

- **Position the case angles around top and sides of sleeve to get the proper depth, (be sure to have the angles pointing outside).**
- **Mark the sleeve using the case angles as a template for screws.**
- **Drill 5/32" hole at the marked position.**
- **Install # 10 x ½" screws from the outside of the sleeve, do not drill any oles in the base of the sleeve.**

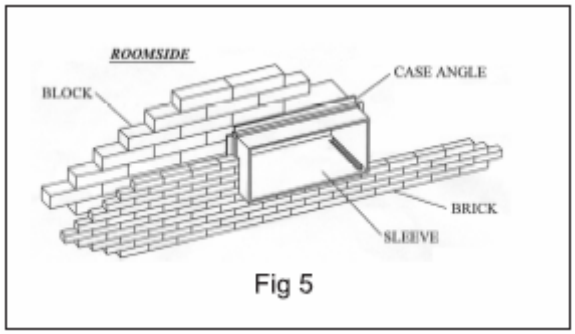

Fig 5

4. Installation of the sleeve in the wall opening

- **Place sleeve into the wall , refer to Chart 1-D2 for room side projection (minimum ½" to a maximum 1-3/4" without sub-base). The rear (outside edge of the sleeve should stick out a min. of ¼" past the outside wall to be able to caulk properly. Do not seal the drain holes on the outside (grille side) of the**
- **sleeve. If it is desired to have the rear grille flush on the outside, a drip rail must be installed under the sleeve and caulking applied between the drip rail and sleeve.**
- **To ensure the unit's maximum efficiency, the sleeve must be installed with a slight downward pitch from the indoor side to the outdoor side (Fig 6), then fasten the wall sleeve (Fig 7).**
- **Lintels should be used to support the block above the wall sleeve (Fig 8). The sleeve can not support the load of bricks/blocks (if directly under a window sill, use of lintels may not be necessary).**

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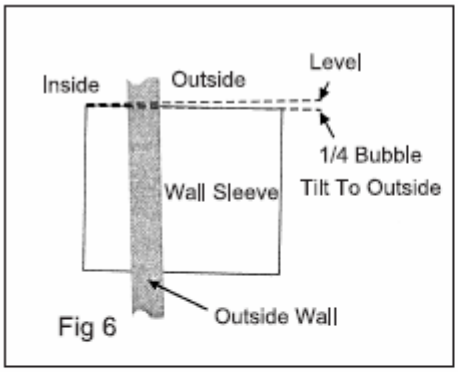

Fig 6

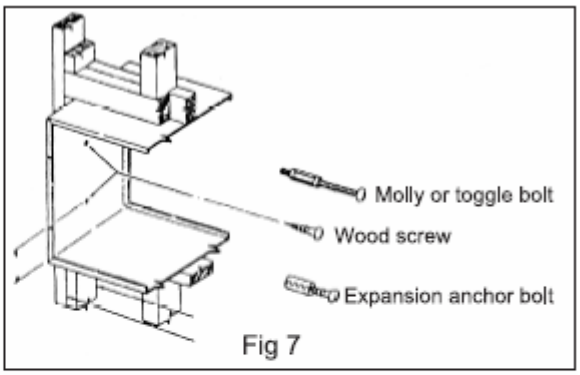

Fig 7

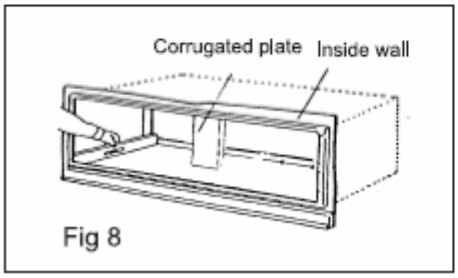

Fig 8

Note: The fastening parts and wood screws etc. are supplied by the end user.

5. Weather proofing:
Weather proofing gaps between the exterior wall and the sleeve with caulking or other equivalent weather proofing materials (Fig 9).

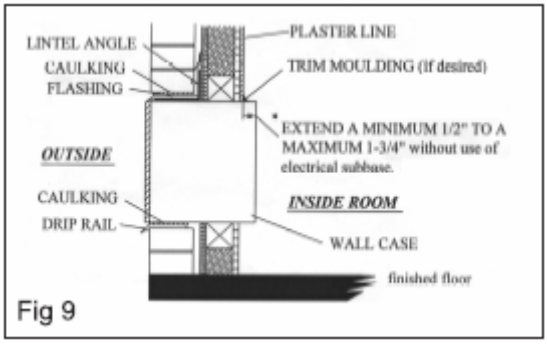

Fig 9

Note: Installation in extra thick walls:

- **If the sleeve is being installed in a thick wall where the sleeve is recessed more than 3", an extended wall sleeve will be required with depths as called out in chart 1.**
- **If the sleeve is being installed in a wall where the recess is 3" or less, a flashing must be installed under the sleeve and extend up 2" on each side. The flashing must include a drip rail as shown in Fig 9.**

6. Electrical Requirements

- **Provisions should be made to have a proper electrical outlet near the sleeve. All wiring must be made in accordance with local codes and national electrical codes. The line cord included with the chassis (if used) will extend to a wall receptacle located within the area shown in Fig 10.**

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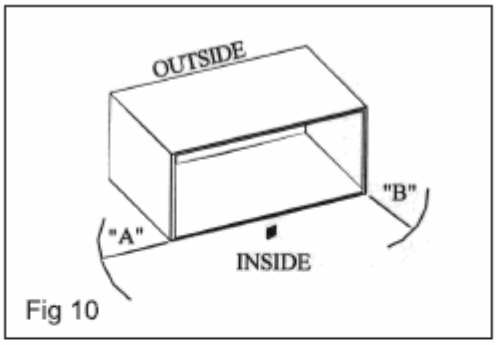
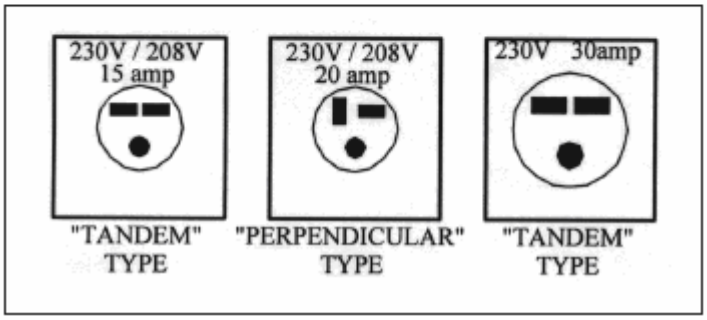


Fig 10

Receptacle Location	"A"	"B"
	21"	58"

WALL RECEPTACLES



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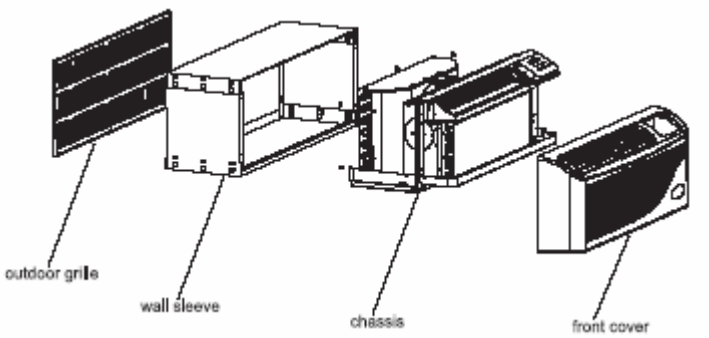
1. Names of Parts

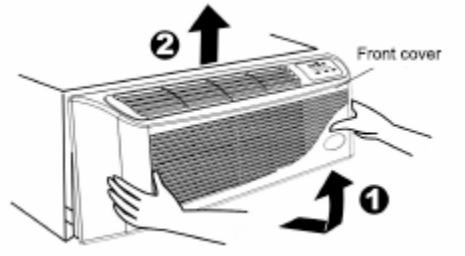


2. Wall Sleeve and Outdoor Grille

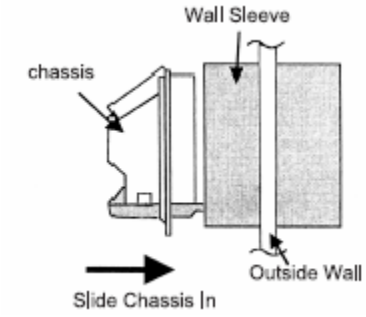
- **The wall sleeve must be properly installed according to the wall sleeve installation instructions.**
- **When installing the outdoor grille, the mounting screws should be tightened from the inside of the Wall Sleeve. If replacing an old chassis with an existing grille or using a specialized grill in a new installation, contact your dealer to determine if the new chassis should be used with the nonstandard specialized grille.**

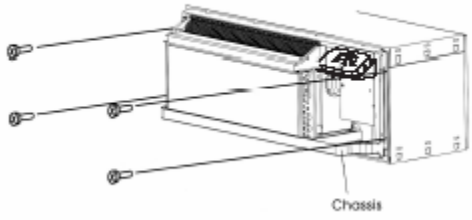
3. Installation

- **Front cover removal**
  Remove the front cover by pulling out at the bottom to release it, then lift it up to clear the rail along the chassis top.



- **Chassis Installation**
  Slide the chassis into the wall sleeve until the chassis flanges contact the front edge of the wall sleeve, then secure with four screws through the chassis flange holes.





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- **Front Cover Installation**
  Reinstall the front cover by hooking the top over the rail along the chassis top, then pushing it in at the bottom.

TECHNICAL SUPPORT
IF YOU NEED TECHNICAL SUPPORT, PLEASE CALL 704-504-8590
BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M.
PLEASE HAVE YOUR EQUIPMENT MODEL NUMBER AND SERIAL NUMBER AVAILABLE WHEN YOU CALL.

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